

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/533,621
Source: 1 Fwp
Date Processed by STIC: 9/13/06

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 09/13/2006

PATENT APPLICATION: US/10/533,621

TIME: 13:13:25

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\09132006\J533621.raw

4 <110> APPLICANT: The Center For Blood Research, Inc., et al.
 6 <120> TITLE OF INVENTION: INHIBITION OF GENE EXPRESSION USING RNA
 7 INTERFERING AGENTS
 9 <130> FILE REFERENCE: CBN-007PC
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/533,621
 C--> 11 <141> CURRENT FILING DATE: 2005-04-29
 11 <150> PRIOR APPLICATION NUMBER: 60/422,419
 12 <151> PRIOR FILING DATE: 2002-10-29
 14 <160> NUMBER OF SEQ ID NOS: 31
 16 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 25
 20 <212> TYPE: DNA
 21 <213> ORGANISM: Artificial Sequence
 23 <220> FEATURE:
 24 <223> OTHER INFORMATION: synthetic oligonucleotides
 26 <400> SEQUENCE: 1
 27 cucugcuucg gugucgaaat ttttt 25
 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 25
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Artificial Sequence
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: synthetic oligonucleotides
 37 <400> SEQUENCE: 2
 38 uuucgacacc gaagcagagt ttttt 25
 40 <210> SEQ ID NO: 3
 41 <211> LENGTH: 21
 42 <212> TYPE: DNA
 43 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: synthetic oligonucleotides
 48 <400> SEQUENCE: 3
 49 gauuguacug agagacaggc u 21
 51 <210> SEQ ID NO: 4
 52 <211> LENGTH: 23
 53 <212> TYPE: DNA
 54 <213> ORGANISM: Artificial Sequence
 56 <220> FEATURE:
 57 <223> OTHER INFORMATION: synthetic oligonucleotides
 59 <400> SEQUENCE: 4
 60 ccugucucuc ucaguacaau cuu 23
 62 <210> SEQ ID NO: 5

see p. 6

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63 <211> LENGTH: 21
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: synthetic oligonucleotides
70 <400> SEQUENCE: 5
71 ggcuacgucc aggagcgcac c 21
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 21
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: synthetic oligonucleotides
81 <400> SEQUENCE: 6
82 ugcgcuccug gacguagccu u 21
84 <210> SEQ ID NO: 7
85 <211> LENGTH: 23
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: synthetic oligonucleotides
92 <400> SEQUENCE: 7
93 atggattatc aagtgtcaag tcc 23
95 <210> SEQ ID NO: 8
96 <211> LENGTH: 24
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: synthetic oligonucleotides
103 <400> SEQUENCE: 8
104 ccagaattga tactgactgt atgg 24
106 <210> SEQ ID NO: 9
107 <211> LENGTH: 20
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: synthetic oligonucleotides
114 <400> SEQUENCE: 9
115 tctgtcaggg ttggaaagtc 20
117 <210> SEQ ID NO: 10
118 <211> LENGTH: 20
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: synthetic oligonucleotides
125 <400> SEQUENCE: 10
126 aaatgcaaac cgcttccaac 20
128 <210> SEQ ID NO: 11
129 <211> LENGTH: 2888

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130 <212> TYPE: DNA

131 <213> ORGANISM: Mus musculus

133 <400> SEQUENCE: 11

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134 agatttgtac agctctccta gccagaggag gtgagacatc cgttccccct acaagagact 60
135 ctggctcttg caggatggat tttcaagggt cagttccgac ctatagctat gacatcgatt 120
136 atggtatgtc agcaccctgc caaaaaatca atgtgaaaca aattgcggct cagctcctgc 180
137 cccactcta ctccctggta ttcattcttg gttttgtggg taacatgatg gtcttcctca 240
138 tcttgataag ctgcaaaaag ctgaagagcg tgactgatat ctacctgctc aacctggcca 300
139 tctctgacct gctcttcctg ctcacactac cattctgggc tcactatgct gcaaatgagt 360
140 gggctcttgg gaacataatg tgtaaagtat tcacagggtc ctatcacatt gggtattttg 420
141 gtggaatctt cttcattatc ctccctgaaa ttgataggta cttggctatt gtccatgctg 480
142 tgtttgcttt aaaagtcaga acggtcaact ttgggggtgat aacaagtgtg gtcacttggg 540
143 cggtggctgt gtttgctctt ctcccagaaa taatctttac cagatctcag aaagaagggt 600
144 ttcattatac atgcagtcct cattttccac acactcagta tcatttctgg aagagtttcc 660
145 aaacattaaa gatggtcac ttaggcctga tctgcctct acttgctcatg gtcactgctg 720
146 actcaggaat tctccacacc ctgtttcgct gtaggaatga gaagaagagg cacagggtcg 780
147 tgaggctcat ctttgccatc atgattgtct actttctctt ctggactccc tacaacattg 840
148 tctcctcctt gaccaccttc caggaattct ttggactgaa taactgcagt agttctaata 900
149 gactagacca ggccatgcag gcaacagaga ctcttggaat gacacactgc tgcctaaacc 960
150 ctgtcatcta tgctttgtt ggagagaagt tccggagtta tctctcagtg ttcttccgaa 1020
151 aacacatggg caaacgcttt tgcaaacggg gtccaatttt ccagcaagac aatcctgatc 1080
152 gtgcaagctc agtctatacc cgatccacag gagaacatga agtttctact ggtttatgac 1140
153 ctgggtgact tttgtgtatc acgtattttt ctatgcagct tgggagtagg aatggttctt 1200
154 ttaaaaaaag aaattagtat catagagggc ccaagataca tgcacttttt tgatatttat 1260
155 ttttagatag attgggtctc ttaaaactga atggggagggt tgggggtggg gagcagggag 1320
156 aacgagtctt ttatcagggc cgggaaatat gcacaaagag acttgaggca ggtgccatga 1380
157 cccatatgca aaggacgga cacagggtcg atgctgtggc ctagagatga cgtgtctcac 1440
158 cgctgggttc ctgaaagcgg ctgtaaatat gcttgattgc cataaagtcg cttcttctg 1500
159 tctatggatg tgcctgactg ccaacaggga agaaccactt ctgcctataa aacgtaagtc 1560
160 agcagaactt ggggtaaatc ggagttagag gtgcataaga acccctaggc ttagttagggt 1620
161 tgaaatacc attgaggaaa cagcaaatac aaaggaagaa taaagagttt agccgggaag 1680
162 gtagtctcat ttacagccg gaatataatg ttatctcagg ctagcatttt gtccctgcct 1740
163 tcagacctaa atcctaccac accgggactg tgaacacctg gattatgaat catgagcctg 1800
164 aggtctagga ataataataa cgtttgatg ttagatgag ggctgtttcc atagtgtgaa 1860
165 gccagaactt tatcatcttg agcagaagct ccaagagatg aggaaagagc accaattttt 1920
166 ctctaattta cttagcagtc atcatctctg gaagattcat ttagaaaca agttgtgtg 1980
167 cccctcagaa gccatgagag tataacgact gctctctgtg ttccaggctg agtatgagga 2040
168 cttcagtcac actttccaga tggcttctcc acacaaacaa tgctaagttt ggccatttca 2100
169 gaggtttagg attttttgtt gtttttgtag ttgatatttt gaattttaga gcagttgaga 2160
170 tcttcctagt gaaggctaga ggaggaaaga aagggttagg aatctctcag gagattaaag 2220
171 tttctgccta acaagagggt ttactggttt ttctcaagct ccgattgtga aaccagaggc 2280
172 ctgggactgt cagcaggaag tgagcatttg ctttttcttc cttgtgatcc acattcctcc 2340
173 ccactctgtt gctcagctgg cgtcaagctc acgatcctcc tgcttacatc tcaagttctg 2400
174 agattacaag tatatgtgaa catatccagc gggtattttt ttcattagca tatagaaagt 2460
175 tatacgttct ttgaagataa tgagtcttat aaaaagtgtc ttgtaaaaaa aattgcattt 2520
176 tatactttca atcaagtgt catttagtga gtagtacgta aaattatgag agtattttgt 2580
177 aagtagttgt tttggagaac gcccccaata atactgtttt aaatatagcg ttcttggatt 2640
178 aagtggtggg tggatgatg aatatttctt tgaaagtatt ttagccgtt aactttcttc 2700
179 cttaacaat ttttcataat aatttgttct taaagatgtt atgtccaagc atgcagtttc 2760

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```

180 ggagcagtgt tgctttgaaa gagtgtaaatt tttaaattgt gcttactctc aatcaaaaga 2820
181 gttttaacat atttacgaat ttatttcaga agtcaagaat ctggttgaaa ataaagatat 2880
182 gcaactta 2888
184 <210> SEQ ID NO: 12
185 <211> LENGTH: 25
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: synthetic oligonucleotides
192 <400> SEQUENCE: 12
193 guguagucac uuggguggut ttttt 25
195 <210> SEQ ID NO: 13
196 <211> LENGTH: 25
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: synthetic oligonucleotides
203 <400> SEQUENCE: 13
204 accacccaag ugacuacact ttttt 25
206 <210> SEQ ID NO: 14
207 <211> LENGTH: 25
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: synthetic oligonucleotides
214 <400> SEQUENCE: 14
215 uagacuagac caggccaugt ttttt 25
217 <210> SEQ ID NO: 15
218 <211> LENGTH: 25
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: synthetic oligonucleotides
225 <400> SEQUENCE: 15
226 cauggccugg ucuagucuat ttttt 25
228 <210> SEQ ID NO: 16
229 <211> LENGTH: 25
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: synthetic oligonucleotides
236 <400> SEQUENCE: 16
237 acgcuuuugc aaacggugut ttttt 25
239 <210> SEQ ID NO: 17
240 <211> LENGTH: 25
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: synthetic oligonucleotides

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DATE: 09/13/2006

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TIME: 13:13:25

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\09132006\J533621.raw

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247 <400> SEQUENCE: 17
248 acaccguuug caaaagcgut ttttt      25
250 <210> SEQ ID NO: 18
251 <211> LENGTH: 25
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: synthetic oligonucleotides
258 <400> SEQUENCE: 18
259 gacaauccug aucguguaat ttttt      25
261 <210> SEQ ID NO: 19
262 <211> LENGTH: 25
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: synthetic oligonucleotides
269 <400> SEQUENCE: 19
270 uuacacgauc aggauuguct ttttt      25
272 <210> SEQ ID NO: 20
273 <211> LENGTH: 9
274 <212> TYPE: PRT
275 <213> ORGANISM: HIV-1
277 <400> SEQUENCE: 20
278 Arg Lys Lys Arg Arg Gln Arg Arg Arg
279 1      5
282 <210> SEQ ID NO: 21
283 <211> LENGTH: 13
284 <212> TYPE: PRT
285 <213> ORGANISM: HIV-1
287 <400> SEQUENCE: 21
288 Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Thr Pro Gln
289 1      5      10
292 <210> SEQ ID NO: 22
293 <211> LENGTH: 11
294 <212> TYPE: PRT
295 <213> ORGANISM: HIV-1
297 <400> SEQUENCE: 22
298 Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
299 1      5      10
302 <210> SEQ ID NO: 23
303 <211> LENGTH: 26
304 <212> TYPE: PRT
305 <213> ORGANISM: Homo sapiens
307 <400> SEQUENCE: 23
308 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
309 1      5      10      15
310 Val Gln Arg Lys Arg Gln Lys Leu Met Pro
311      20      25
314 <210> SEQ ID NO: 24

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/533,621

DATE: 09/13/2006
TIME: 13:13:26

Input Set : A:\SEQLIST.TXT
Output Set: N:\CRF4\09132006\J533621.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:27; Xaa Pos. 1,5

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/533,621

DATE: 09/13/2006

TIME: 13:13:26

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\09132006\J533621.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0